

ABSTRACT

A structure and method for suppressing lateral leakage current in full fill factor image arrays includes dual dielectric passivation layer. A first passivation layer includes a material that is an insulator, has a low dielectric constant to minimize capacitive coupling between the contacts, and is low stress to prevent cracking. A second passivation layer includes a thin oxide or nitride layer over the first passivation layer.

100-200-300-400-500

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